GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:3125
ANSWERED ON:07.12.2007
TESTING OF SAMPLES OF ELECTRONIC METERS
Aaron Rashid Shri J.M.;Gadhavi Shri Pushpdan Shambhudan;Mishra Dr. Rajesh Kumar

Will the Minister of POWER be pleased to state:

(a) whether the Central Power Research Institute (CPRI), Bangalore is engaged in conducting testing of samples of all kinds of Electro-mechanical and Electronic meters;

(b) if so, the details thereof and the results of test conducted by CPRI during the last three years;

(c) whether more than 75% meters have been rejected by CPRI;

(d) if so, whether the CPRI takes more time in testing meters and electronic meters; and

(e) if so, the reasons therefor and the steps taken by the Government in this regard?

Answer

THE MINISTER OF POWER(SHRI SUSHILKUMAR SHINDE)

(a) & (b) : Central Power Research Institute (CPRI), Bangalore is engaged in conducting testing of samples of all kinds of electro-mechanical and Electronic Energy Meters covering single phase and three phase meters including Low Tension and High Tension Trivector Meters as per National and International Standards. The tests are being carried out at the facilities available at CPRI, Bangalore and CPRI, Bhopal. CPRI is also carrying out the Third Party Inspection, Field evaluation of Energy Meters (Onsite testing of Energy Meters at consumer premises) as per the requirement of distribution companies, Electricity Regulatory Commissions and other Government agencies.

The approximate number of type tested set of meters covering both single phase and three phase at CPRI, Bangalore and Bhopal is 275 since the last three years. Out of these, approximately 136 numbers did not comply with standards.

In addition to this, CPRI, Bangalore & Bhopal have tested Energy Meters of different types for Acceptance, Routine, Temper test and selected test as per customer requirements. Approximately 238 meters out of 3282 samples have not complied with the requirements of Standards/Client requirement.

CPRI is also carrying out testing of Electronic Energy Meters at different customer locations under the aegis of Public Grievances Cell, Department of Power, Government of NCT of Delhi since 28.05.2007. Earlier in 2005-06, CPRI conducted testing of Electronic Energy Meters at various consumer premises as per requests received from M/s. Bombay Suburban Electric Supply (BSES), M/s. New Delhi Power Limited (NDPL) and Delhi Electricity Regulatory Commission (DERC). CPRI have tested a total of 555 meters upto 21.11.2007 in Delhi. Out of the meters tested, 7 have been found faulty.

(c) : No, Sir.

(d) & (e) : CPRI carries out tests according to relevant standards of testing which prescribe the minimum number of hours/days that a meter should undergo a test. These may vary for different types of meters and tests from 45 minutes to 40 days.